In the Claims

- 1-23. (Cancelled)
- 24. (Previously Presented) A high strength stainless steel seamless pipe for use in oil wells, which has superior corrosion resistance, comprising on a mass percent basis:

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0.005% to 0.05% of C;
0.05% to 0.5% of Si;
0.2% to 1.8% of Mn;
0.03% or less of P;
0.005% or less of S;
15.5% to 18% of Cr;
1.5% to 5% of Ni;
1% to 3.5% of Mo;
0.02% to 0.2% of V;
0.01% to 0.15% of N;
0.006% or less of O; and
the balance being Fe and unavoidable impurities,
wherein the following equations (1) and (2) are satisfied
Cr+0.65Ni+0.6Mo+0.55Cu-20C≥19.5 (1)
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Cr+Mo+0.3Si-43.5C-0.4Mn-Ni-0.3Cu-9N≥11.5

wherein Cr, Ni, Mo, Cu, C, Si, Mn, and N represent the respective contents on a mass percent basis,

(2)

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and contains an austenite phase at a volume fraction between 2.6% and 30%, a ferrite phase at a volume fraction between 10% and 60% and a martensite phase as the balance of the volume fraction, and has a yield strength of 654 MPa or more.

- 25. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.002% to 0.05% of Al on a mass percent basis.
- 26. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of C is in the range of 0.03% to 0.05% on a mass percent basis.
- 27. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of Cr is in the range of 16.6% to less than 18% on a mass percent basis.
- 28. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the content of Mo is in the range of 2% to 3.5% on a mass percent basis.
- 29. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.5% to 3.5% of Cu on a mass percent basis.
- 30. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 29, wherein the content of Cu is in the range of 0.5% to 1.14% on a mass percent basis.
- 31. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising at least one selected from 0.03% to 0.2% of

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Nb, 0.03% to 0.3% of Ti, 0.03% to 0.2% of Zr, 0.2% to 3% of W, and 0.0005% to 0.01% of B on a mass percent basis.

- 32. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, further comprising 0.0005% to 0.01% of Ca on a mass percent basis.
- 33. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 24, wherein the stainless steel seamless pipe has a texture containing a martensite phase as a primary phase.
- 34. (Previously Presented) The high strength stainless steel seamless pipe for use in oil wells, according to Claim 33, wherein the ferrite phase has a volume fraction of 15% to 50%.
 - 35. (Cancelled)
- 36. (New) The high strength stainless steel seamless pipe according to Claim 24, wherein the ferrite phase is present at a volume fraction between 15% and 60%.
- 37. (New) The high strength stainless steel seamless pipe according to Claim 24, wherein the volume fraction of the martensite phase is at most 75.8%.

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